Statement

Installed capacity of power generation from major non-conventional energy sources at the beginning and end of the Ninth Five Year Plan.

Sl. N	Programme	Installed capacity at beginning of Ninth Plan (Megawatt)	Installed capacity at end of Ninth Plan (Megawatt)
1.	Wind Power	901	1628.20
2	Biomass Power	86	381.30
3	Small Hydro power	145	1437.47
4	Solar Photovoltaic	0.5	1.99
5	Biomass Gasifier	24.8	51.30
6	Waste to Energy	2.7	21.98
	TOTAL	1160	3522.24

Setting up Tidal Energy Projects

831. SHRI K.M. KHAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have formulated any comprehensive policy for harnessing tidal power/energy in the country;

(b) if so, the details thereof;

(c) whether any potential sites, State-wise identified for setting up tidal projects; and

(d) the number of tidal power plants set up/proposed to be set up during the year ending 31st March, 2002?

THE MJNISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) No, Sir. However, Ministry is implementing a Tidal Energy Programme which includes feasibility studies, research and development, demonstration and man power development etc.

(c) and (d) Gulf of Kutch with nearly 3000 MW and Gulf of Camby with nearly 12,000 MW in Gujarat and Delta of Ganga in Sundarbans area of West Bengal with nearly 25 MW tidal power potential are three potential

sites in the country for tidal power generation. No tidal power plant has been installed in the country so far. The Ministry, after carrying out a Feasibility Study, have got prepared a Detailed Project Report through West Bengal Renewable Energy Development Agency, Kolkata for a 3 MW capacity Tidal Power Plant proposed to be set up at Durgaduani Creek in Sundarbans area of West Bengal. Based on the recommendations of the Detailed Project Report, the proposal for the country's first tidal power plant is being processed by the Ministry. The experience gained in this project would be utilized in developing other potential sites for tidal power generation in the country;

Production and consumption of Solar Energy

*832. SHRIMATI KUM KUM RAI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the State-wise details of production, consumption of solar energy under non-conventional energy sources during last three years;

(b) whether fossil fuel is being developed as an alternate to petrol and diesel;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) The Ministry is implementing various programmes which include solar photovoltaics, solar power, solar photovoltaic pumps, solar cookers etc. for production and utilization of solar energy in the country. The details of solar energy systems/devices installed State-wise during the last three years are givenin Statement enclosed (See below).

(b) to (d) the Ministry does not implement any programme to develop another fossil fuel as an alternate to petrol and diesel. However, this Ministry undertakes R&D projects aimed at developing technologies for surface transportation baóed on alternate fuels *i.e.* fuel cells, hydrogen, bio-fuels and electric vehicles as alternatives to replace petrol and diesel.

*Original notice of the question was received in Hindi.